

CLAIMS:

1. A method of generating a mosaic program guide comprising;
generating I frames from a coded video bit stream;
placing each I frame into one of a multiplicity of mosaic windows;
and
combining said multiplicity of mosaic windows into a mosaic video frame.
2. The method of claim 1, further including scaling each I frame to fit into one of said mosaic windows.
3. The method of claim 1, wherein each mosaic window is associated with a different program.
4. The method of claim 3, wherein the I frame of each mosaic window is replaced with a later decoded I frame of the same program.
5. The method of claim 4, wherein said later decoded I frame is the next I frame of the same program.
6. The method of claim 1, further including selecting programs for which said I frames are generated.
7. The method of claim 1, wherein said generating I frames includes:
selecting from a coded video bit stream coded data, said coded data representing I frames; and
decoding and decompressing said coded data into said I frames.
8. The method of claim 1, further including:
generating a set of video frames from a selected program from said coded video bit stream; and

sequentially scaling and placing each video frame of said set of video frames into a selected mosaic window of said multiplicity of mosaic windows.

9. The method of claim 1, further including displaying said mosaic frame on a display device.

10. An apparatus for generating a mosaic program guide comprising:
means for generating I frames from a coded video bit stream;
means for placing each I frame into one of a multiplicity of mosaic windows;
and
means for combining said multiplicity of mosaic windows into a mosaic video frame.

11. The apparatus of claim 10, further including means for scaling each frame to fit into one of said mosaic windows.

12. The apparatus of claim 10, wherein each mosaic window is associated with a different program.

13. The apparatus of claim 12, wherein the I frame of each mosaic window is replaced with a later decoded I frame of the same program.

14. The apparatus of claim 13, wherein said later decoded I frame is the next I frame of the same program.

15. The apparatus of claim 10, further including means for selecting programs for which said I frames are generated.

16. The apparatus of claim 10, wherein said means for generating I frames includes:
means for selecting from a coded video bit stream coded data, said coded data representing I frames; and
means for decoding and decompressing said coded data into said I frames.

17. The apparatus of claim 10, further including:

means for generating a set of video frames from a selected program from said coded video bit stream; and

means for sequentially scaling and placing each video frame of said set of video frames into a selected mosaic window of said multiplicity of mosaic windows.

18. A receiver for generating a mosaic program guide comprising:

means for receiving an input signal and generating a coded bit stream;

a de-multiplexer adapted to receive said coded bit stream and adapted to generate a coded video bit stream;

a video decoder adapted to select I frame data from said coded video bit stream and decode and generate a sequence of I frames.

19. The receiver of claim 18 wherein said means for receiving an input signal is selected from the group of devices consisting of modems, broadband modems, RF tuners and RF tuners and demodulators.

20. A receiver for generating a mosaic program guide comprising:

a first tuner and demodulator adapted to receive an input signal and adapted to generate a first coded bit stream;

a first a de-multiplexer adapted to receive said first coded bit stream and adapted to generate a first coded video bit stream;

a first video decoder adapted to receive said first coded video bit stream and generate a sequence of video frames from a single program;

a second tuner and demodulator adapted to receive said input signal and adapted to generate a second coded bit stream;

a second a de-multiplexer adapted to receive said second coded bit stream and adapted to generate a second coded video bit stream; and

a second video decoder adapted to select I frame data from said second coded video bit stream and decode and generate a sequence of I frames.

21. The receiver of claim 20, further including a mixer adapted to present said sequence of video frames in a first window of a mosaic frame and said I frames in additional windows of said mosaic frame.

22. The receiver of claim 21, wherein I frames of the same program are presented sequentially in order of I frame decoding in the same window of said additional windows